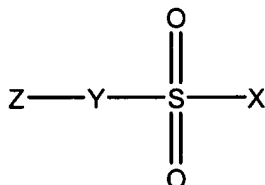


Clean Version of Amended Claim

34. (twice amended) A coating comprising an effective amount of an anti-fouling compound of structure 1:



1

wherein

X represents -OH;

Y represents O;

Z represents an unsubstituted or substituted moiety selected from the group consisting of branched alkyl, unbranched alkyl of 7 carbons or less, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, aralkyl, heteroaralkyl, and $-(\text{CH}_2)_m-\text{R}_{80}$; wherein when Z is substituted, any substituent is selected from the group consisting of halo, azido, alkyl, aralkyl, alkynyl, cycloalkyl, hydroxyl, alkoxyl, amino, nitro, sulfhydryl, imino, amido, silyl, alkylthio, sulfonyl, sulfonamido, acyl, formyl, alkoxycarbonyl, heterocyclyl, aryl, heteroaryl, trifluoromethyl, and cyano;

R_{80} represents independently for each occurrence aryl, cycloalkyl, cycloalkenyl, heterocyclyl, or polycyclyl; and

m is an integer in the range 0 to 8 inclusive or salt thereof,

wherein the coating releases the compound or a biologically active fragment thereof when in contact with a surface that is amenable to biofouling.